

HUULL RNAV

Point Of Contact

Organization Name - Southern California Metroplex

POC's Name - Robert E. Henry-Metroplex Lead/Jose Gonzalez-NATCA Co-Lead

Telephone Number - (661) 265-8434

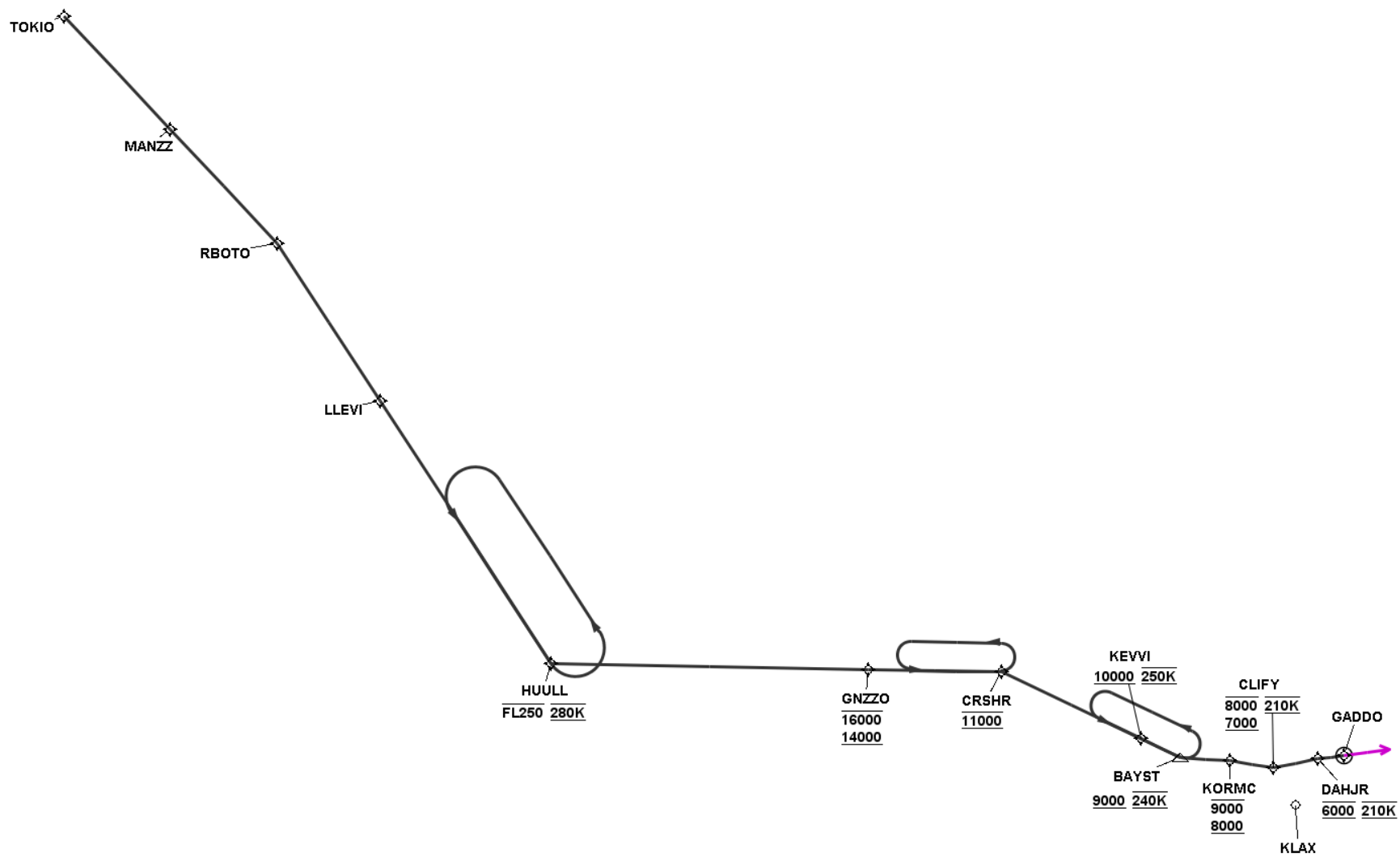
FAX Number - (661) 265-8338

Email Address - Robert.Henry@faa.gov;Jose.J.Gonzalez@faa.gov

TARGETS Distribution Package

Version:5.0.5

Date: Tue Apr 12 07:31:02 PDT 2016



HUULL RNAV

En Route Transition Data - TOKIO

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	TOKIO WP	N35 23 17.30	W121 09 02.00		IF										
	MANZZ WP	N35 10 52.60	W120 54 52.50	FB	TF	136.85	124.85	16.97			14000	3700			
	RBOTO WP	N34 58 17.81	W120 40 37.39	FB	TF	136.97	124.97	17.16			14000	3700			
	LLEVI WP	N34 41 01.36	W120 26 49.12	FB	TF	146.55	134.55	20.65			14000	3900			
	HUULL WP	N34 12 05.81	W120 03 57.13	FB	TF	146.67	134.67	34.52	-25000	280	14000	4700			
	HUULL WP	N34 12 05.81	W120 03 57.13		HM	146.67	134.67	20.00			14000				

Common Route Data - KLAX HUULL

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	HUULL WP	N34 12 05.81	W120 03 57.13		IF				-25000	280					
	GNZZO WP	N34 11 28.14	W119 21 33.99	FB	TF	90.82	78.82	35.16	+14000 -16000		14000	2300			
	CRSHR WP	N34 11 10.05	W119 03 47.38	FB	TF	91.09	79.09	14.75	11000		11000	3800			
	CRSHR WP	N34 11 10.05	W119 03 47.38		HM	91.09	79.09	10.00							
	KEVVI WP	N34 03 52.14	W118 45 08.94	FB	TF	115.12	103.12	17.10	+10000	250	9000	5400			
AVNIS	BAYST WP	N34 01 46.73	W118 39 49.20	FB	TF	115.20	103.20	4.90	+9000	240	9000	4600			
AVNIS	BAYST WP	N34 01 46.73	W118 39 49.20		HM	115.20	103.20	10.00							
	KORMC WP	N34 01 23.07	W118 33 13.52	FB	TF	94.08	82.08	5.50	+8000 -9000		5000	4600			
	CLIFY WP	N34 00 36.64	W118 27 25.58	FB	TF	99.08	87.08	4.88	+7000 -8000	210	5000	3400			
	DAHJR WP	N34 01 37.83	W118 21 30.22	FB	TF	78.29	66.29	5.03	6000	210	4000	2800			
	GADDO WP	N34 01 59.74	W118 17 55.25	FO	TF	83.00	71.00	3.00			4000	3400			
	GADDO WP	N34 01 59.74	W118 17 55.25		FM	83.00	71.00								

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Waypoint Data

DB	Waypoint	Arc Center	Lat-Long (DMS.S)	Latitude (Deg)	Longitude (Deg)	Latitude (D°, M.mm')	Longitude (D°, M.mm')	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")
AVNIS	BAYST WP		340146.73N-1183949.20W	N 34.0296472	W 118.6636667	N34 01.779	W118 39.820	N34 01 46.73	W118 39 49.20
	CLIFY WP		340036.64N-1182725.58W	N 34.0101778	W 118.4571056	N34 00.611	W118 27.426	N34 00 36.64	W118 27 25.58
	CRSHR WP		341110.05N-1190347.38W	N 34.1861246	W 119.0631605	N34 11.167	W119 03.790	N34 11 10.05	W119 03 47.38
	DAHJR WP		340137.83N-1182130.22W	N 34.0271759	W 118.3583948	N34 01.631	W118 21.504	N34 01 37.83	W118 21 30.22
	GADDO WP		340159.74N-1181755.25W	N 34.0332625	W 118.2986796	N34 01.996	W118 17.921	N34 01 59.74	W118 17 55.25
	GNZZO WP		341128.14N-1192133.99W	N 34.1911487	W 119.3594428	N34 11.469	W119 21.567	N34 11 28.14	W119 21 33.99
	HUULL WP		341205.81N-1200357.13W	N 34.2016136	W 120.0658707	N34 12.097	W120 03.952	N34 12 05.81	W120 03 57.13
	KEVVI WP		340352.14N-1184508.94W	N 34.0644834	W 118.7524838	N34 03.869	W118 45.149	N34 03 52.14	W118 45 08.94
	KORMC WP		340123.07N-1183313.52W	N 34.0230753	W 118.5537546	N34 01.385	W118 33.225	N34 01 23.07	W118 33 13.52
	LLEVI WP		344101.36N-1202649.12W	N 34.6837105	W 120.4469771	N34 41.023	W120 26.819	N34 41 01.36	W120 26 49.12
	MANZZ WP		351052.60N-1205452.50W	N 35.1812778	W 120.9145833	N35 10.877	W120 54.875	N35 10 52.60	W120 54 52.50
	RBOTO WP		345817.81N-1204037.39W	N 34.9716129	W 120.6770536	N34 58.297	W120 40.623	N34 58 17.81	W120 40 37.39
AVNIS	TFD VORTAC		325309.08N-1115431.44W	N 32.8858556	W 111.9087333	N32 53.151	W111 54.524	N32 53 09.08	W111 54 31.44
	TOKIO WP		352317.30N-1210902.00W	N 35.3881389	W 121.1505556	N35 23.288	W121 09.033	N35 23 17.30	W121 09 02.00

RS Results KLAX HUULL

Last Evaluation: 12-Apr-2016 07:29:23
Reference Software Version: 1.5.3

Route Evaluation for TOKIO:KLAX HUULL

HUULL RNAV

TOKIO:KLAX HUULL Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	TOKIO						0.0	0.0
TF	MANZZ	FLY_BY				0.01	16.97	1.0
TF	RBOTO	FLY_BY				9.45	17.16	1.0
TF	LLEVI	FLY_BY				0.01	20.65	1.0
TF	HUULL	FLY_BY	-25000.0		280.0	56.06	34.52	20.0
TF	GNZZO	FLY_BY	+14000.0	-16000.0		0.13	35.16	20.0
TF	CRSHR	FLY_BY	11000.0			23.87	14.75	2.44
TF	KEVVI	FLY_BY	+10000.0		250.0	0.09	17.1	2.44
TF	BAYST	FLY_BY	+9000.0		240.0	21.18	4.9	1.82
TF	KORMC	FLY_BY	+8000.0	-9000.0		4.94	5.5	1.82
TF	CLIFY	FLY_BY	+7000.0	-8000.0	210.0	20.84	4.88	1.32
TF	DAHJR	FLY_BY	6000.0		210.0	4.66	5.03	1.32
TF	GADDO	FLY_OVER					3.0	1.0
FM							0.0	0.0

TOKIO:KLAX HUULL Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
IF	TOKIO				0.0	0.0							0.0	0.0				
TF	MANZZ	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	RBOTO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	4.47	54.11	37271.31	300.0	5.0	121.0	583.0	570.0
TF	LLEVI	FLY_BY	4.47	54.11	37271.31	300.0	5.0	121.0	583.0	570.0	0.0		32107.92	300.0	0.0	111.0	527.0	570.0
TF	HUULL	FLY_BY	0.0		32107.92	300.0	0.0	111.0	527.0	570.0	20.0	37.56	23478.38	280.0	6.0	93.0	420.0	520.0
TF	GNZZO	FLY_BY	20.0	37.56	23478.38	280.0	6.0	93.0	420.0	520.0	0.19	159.43	14687.5	280.0	1.0	76.0	361.0	437.0
TF	CRSHR	FLY_BY	0.19	159.43	14687.5	280.0	1.0	76.0	361.0	437.0	2.44	11.53	11000.0	280.0	11.94	69.0	340.0	409.0
TF	KEVVI	FLY_BY	2.44	11.53	11000.0	280.0	11.94	69.0	340.0	409.0	0.1	116.15	11000.0	250.0	1.0	69.0	304.0	373.0
TF	BAYST	FLY_BY	0.1	116.15	11000.0	250.0	1.0	69.0	304.0	373.0	1.82	9.71	9851.05	240.0	10.59	67.0	286.0	353.0
TF	KORMC	FLY_BY	1.82	9.71	9851.05	240.0	10.59	67.0	286.0	353.0	1.72	39.98	8477.23	240.0	2.47	64.0	280.0	344.0
TF	CLIFY	FLY_BY	1.72	39.98	8477.23	240.0	2.47	64.0	280.0	344.0	1.32	7.18	7256.79	210.0	10.42	61.0	240.0	301.0
TF	DAHJR	FLY_BY	1.32	7.18	7256.79	210.0	10.42	61.0	240.0	301.0	1.27	31.17	6000.0	210.0	2.33	59.0	236.0	295.0
TF	GADDO	FLY_OVER	1.27	31.17	6000.0	210.0	2.33	59.0	236.0	295.0	0.0		4000.0	210.0	0.0	55.0	229.0	284.0
FM			0.0		4000.0	210.0	0.0	55.0	229.0	284.0			0.0	0.0				

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TOKIO:KLAX HUULL Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V) (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
TOKIO	MANZZ	TerrainPt_41_TOKIO:KLAX HUULL_TOKIO:MANZZ		4E (+-250/+125)	N35° 13' 27.00"	W120° 51' 09.00"	1446.85	true	P	2000.0		3647	3646.85	12-Apr-2016 07:30:37
MANZZ	RBOTO	TerrainPt_41_TOKIO:KLAX HUULL_MANZZ:RBOTO		4E (+-250/+125)	N35° 13' 27.00"	W120° 51' 09.00"	1446.85	true	P	2000.0		3647	3646.85	12-Apr-2016 07:30:37
RBOTO	LLEVI	TerrainPt_28_TOKIO:KLAX HUULL_RBOTO:LLEVI		4E (+-250/+125)	N34° 53' 39.00"	W120° 36' 00.00"	1656.82	true	P	2000.0		3857	3856.82	12-Apr-2016 07:30:37
LLEVI	HUULL	TerrainPt_46_TOKIO:KLAX HUULL_LLEVI:HUULL		4E (+-250/+125)	N34° 30' 03.00"	W120° 11' 57.00"	2437.66	true	P	2000.0		4638	4637.66	12-Apr-2016 07:30:37
HUULL	GNZZO	TerrainPt_139197_TOKIO:KLAX HUULL_HUULL:GNZZO		4E (+-250/+125)	N34° 07' 39.00"	W119° 29' 45.00"	3.28	true	P	2000.0		2204	2203.28	12-Apr-2016 07:30:37
GNZZO	CRSHR	TerrainPt_18_TOKIO:KLAX HUULL_GNZZO:CRSHR		4E (+-250/+125)	N34° 06' 54.00"	W119° 03' 00.00"	1564.96	true	P	2000.0		3765	3764.96	12-Apr-2016 07:30:37
CRSHR	KEVVI	TerrainPt_44_TOKIO:KLAX HUULL_CRSHR:KEVVI		4E (+-250/+125)	N34° 07' 12.00"	W118° 55' 57.00"	3100.39	true	P	2000.0		5301	5300.39	12-Apr-2016 07:30:37
KEVVI	BAYST	TerrainPt_14_TOKIO:KLAX HUULL_KEVVI:BAYST		4E (+-250/+125)	N34° 04' 03.00"	W118° 40' 09.00"	2326.12	true	P	2000.0		4527	4526.12	12-Apr-2016 07:30:37
BAYST	KORMC	TerrainPt_0_TOKIO:KLAX HUULL_BAYST:KORMC		4E (+-250/+125)	N34° 04' 03.00"	W118° 40' 09.00"	2326.12	true	P	2000.0		4527	4526.12	12-Apr-2016 07:30:37
KORMC	CLIFY	TerrainPt_29_TOKIO:KLAX HUULL_KORMC:CLIFY		4E (+-250/+125)	N34° 03' 24.00"	W118° 33' 39.00"	1118.77	true	P	2000.0		3319	3318.77	12-Apr-2016 07:30:37
CLIFY	DAHJR	TerrainPt_6_TOKIO:KLAX HUULL_CLIFY:DAHJR		4E (+-250/+125)	N34° 00' 39.00"	W118° 22' 03.00"	518.37	true	P	2000.0		2719	2718.37	12-Apr-2016 07:30:37
DAHJR	GADDO	06-038193	AIRNAV 2	1B (+-20/+10)	N34° 03' 03.80"	W118° 15' 15.86"	1319.0	true	P	2000.0		3319	3319.0	12-Apr-2016 07:29:27

TOKIO:KLAX HUULL Criteria Failures

No failures.

Evaluation Input

Name:	RS Results KLAX HUULL
Project:	LAX HUULL STAR paperwork-250 KEVVI_12E_20160129
Last evaluated:	12-Apr-2016 07:29:23
Evaluated obstacles?:	true
Obstacle Database:	AIRNAV2
Evaluated terrain?:	true
Worst Case Vegetation Height (ft) AGL:	0

HUULL RNAV

Terrain Information

Terrain Extractor Name	Extractor Location	Extractor Type	Resolution
DTED 3 Sec	C:\Program Files (x86)\TARGETS\data\DTED-3Sec	org.mitre.caasd.terrain.DTEExtractor	3.0

Procedure Criteria Failures

No failures.

Evaluation Notes and Warnings

No failures.

Obstacles Requiring Accuracy Code Verification

None.

Database Effective Dates

Database	Date
UddfObstacle	03/09/2015
Tiled AIRNAV2	N/A
OEAAA	N/A
NFDC	03/31/2016
IFP_OFFLINE	N/A
AVNIS	04/12/2016
DOF	03/31/2016
AVNII_OFFLINE	N/A
AIRNAV2	04/12/2016
CIFP	03/31/2016

Notes:

POINT OBSTACLES WITH AN ELEVATION OF 219 FT MSL INSERTED BENEATH TRACK SEGMENTS THAT ARE ENTIRELY OVER WATER, PER FPT.